

## Abstract

A geographic management system (GMS) comprises a web server, a database server, and a map server. A user browser connected to the GMS transmits a search criteria to the web server. The web server transmits the search criteria to the map server. The map server geocodes the search criteria, obtains network data and geospatial data from the database server corresponding to the geocode, and transmits the geocode, the network data, and the geospatial data to the web server. The web server transmits the geocode, the network data, and the geospatial data to the user browser. The network data and the geospatial data are displayed on the user browser as a map displaying network elements of a telecommunication network relative to other network elements, geographic elements, and customers. One or more of the network elements have associated performance elements or sectorized performance elements that display performance characteristics or sectorized performance characteristics that signify performance attributes associated with the network element. The user browser can navigate through other network data and geospatial data by selecting network elements on the map or by selecting navigation tools or navigation tabs displayed in conjunction with the map.

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